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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 11/27/2001 09/996,951 Richard C. Ruby 10003263-1 2432 7590 06/10/2003 AGILENT TECHNOLOGIES, INC. EXAMINER Legal Department, DL429 BUDD, MARK OSBORNE Intellectual Property Administration P.O. Box 7599 Loveland, CO 80537-0599 ART UNIT PAPER NUMBER

DATE MAILED: 06/10/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

				Applicant(s)	
			951	RUBY ET AL.	
Office Action Summary		Examin	er	Art Unit	
		Mark B	udd	2834	
Period for	The MAILING DATE of this communicati Reply	on appears on t	he cover sheet with the c	correspondence address	
A SHOI THE M/ - Extensi- after SI/ - If the pe - If NO pe - Failure - Any rep	RTENED STATUTORY PERIOD FOR INTERIOR STATUTORY PERIOD FOR INTERIOR DATE OF THIS COMMUNICATIONS OF THIS COMMUNICATIONS OF THE STATE OF T	FION.  CFR 1.136(a). In no ention.  ys, a reply within the structure of the structure of the structure of the structure. It is not structure of the structure o	event, however, may a reply be tin satutory minimum of thirty (30) day will expire SIX (6) MONTHS from pplication to become ABANDONE	nely filed  vs will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).	
1)🛛	Responsive to communication(s) filed o	on <i>24 April 200</i> 3	}.		
		☐ This action i			
(	Since this application is in condition for closed in accordance with the practice unof Claims	allowance exce	ept for formal matters, pr	rosecution as to the merits is 453 O.G. 213.	
4)⊠ C	laim(s) <u>21-26</u> is/are pending in the app	olication.			
	4a) Of the above claim(s) is/are withdrawn from consideration.				
	laim(s) is/are allowed.				
6)⊠ C	⊠ Claim(s) <u>21-23 and 26</u> is/are rejected.				
7)⊠ C	laim(s) <u>24 and 25</u> is/are objected to.				
8)☐ C Application	laim(s) are subject to restriction  Papers	and/or election	requirement.		
9) <u></u> Th	e specification is objected to by the Exa	aminer.			
10)∐ Th	e drawing(s) filed on is/are: a)[	accepted or b)	objected to by the Exar	miner.	
	Applicant may not request that any objection	n to the drawing(	s) be held in abeyance. So	ee 37 CFR 1.85(a).	
11) 🗌 Th	e proposed drawing correction filed on	is: a) 🔲	approved b)⊡ disappro	oved by the Examiner.	
ı	f approved, corrected drawings are required	d in reply to this (	Office action.		
12) <u></u> Th	e oath or declaration is objected to by t	he Examiner.			
Priority und	der 35 U.S.C. §§ 119 and 120				
13) <u> </u>	cknowledgment is made of a claim for f	foreign priority u	ınder 35 U.S.C. § 119(a	)-(d) or (f).	
a) <u></u>	All b)☐ Some * c)☐ None of:				
1.	1. Certified copies of the priority documents have been received.				
2.	Certified copies of the priority documents have been received in Application No				
	Copies of the certified copies of the application from the Internation the attached detailed Office action for	nal Bureau (PC1	Γ Rule 17.2(a)).	·	
14) <u></u> Ack	nowledgment is made of a claim for do	mestic priority (	under 35 U.S.C. § 119(e	e) (to a provisional application).	
	☐ The translation of the foreign languag nowledgment is made of a claim for do				
Attachment(s)					
2) 🔲 Notice of	Ferences Cited (PTO-892) FDraftsperson's Patent Drawing Review (PTO-94 on Disclosure Statement(s) (PTO-1449) Paper N	48) Vo(s)		(PTO-413) Paper No(s) Patent Application (PTO-152)	

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Claims 21-23 and 26 are rejected under 35 U.S.C. 102(a) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Bottom.

The 'Whole' teaching of Bottom, including the prior art sections are to oxidize an aluminum electrode to achieve the final, target frequency of a piezoelectric resonator. Three methods are discussed. The natural exposure of the electroded element to standard temperature and pressure in environmental atmosphere. Acceleration of the above natural process by raising the temperature in a closed environment and accelerating the natural process via anodic oxidation. The first two above mentioned methods anticipate applicants claimed process i.e. exposing the electrode to oxygen at a desired temperature. In the second case a piezo element with a defective frequency is processed via oxidation to achieve a desired final frequency. In the first case, a supposedly finished resonator is exposed to the natural process which further reduces the frequency. The only question is do these processes explicitly start at a final target frequency or at a deliberately different frequency. To the extent that the oxidization process is carried out to achieve the final target resonant frequency, applicants process is anticipated. Bottom prefers to have a minimum frequency differential so that the a oxide thickness will hit the target frequency. Applicants "first" step of trying to hit the bulls eye before performing oxidation is not relevant in that if the resonator is at the target frequency, step 2, oxidization would have been obvious to one of ordinary skill in the art. Note bottom gets within a desired range of frequency via electrode thickness before performing the oxidization step.

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Claims 24 and 25 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Budd/ds

06/03/03

Jako Ballo A